

PCT10

RAW SEQUENCE LISTING DATE: 02/13/2002 PATENT APPLICATION: US/10/048,046 TIME: 07:44:32

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              Halazonetis, Thanos
      4
      5
              Scolnick, Daniel
      7 <120 > TITLE OF INVENTION: Compositions and Methods to Enhance Sensitivity of
              Cancer Cells to Mitotic Stress
     10 <130 > FILE REFERENCE: WST97APCT
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/048,046
C--> 13 <141> CURRENT FILING DATE: 2002-01-18
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     16 <151> PRIOR FILING DATE: 1999-07-29
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     43 Glu Glu Gly Glu Pro His Val Leu Leu Arg Lys Arg Giu Trp Thr Ile
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     62 ttg gtg tac agg aag aat gaa eeg gaa eac aae gtg gea tac ete tat
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## RAW SEQUENCE LISTING

 RAW SEQUENCE LISTING
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 PATENT APPLEMATION: US/10/048,046
 1:00: 07:44:32

DATE: 02/13/2002

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68 125 130 135	
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71 Asn Lys Glu Asn Val Phe His Gly Thr Lys Asp Thr Ser Gly Ala G	этх
72 140 145 150	- FO1
71 goa ggg ega ggg goe gat ooc egg gte oot eeg teg teg een ged a	
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1.13 Pro Val Glu Arg Ile Cys Lys Asn His Ile Leu Asn Asn Leu Val 124 345 350 355	360
10. 0.0	
126 goa tac etc atc cag cat eca que aug agt ege agt gua gua gut 127 Ala Tyr Leu Ile Gln His Pro Asp Lys Ser Arg Ser Glu Glu Asp	
TELL WIRE TALL THE THE UTP LICE WENT THE SET WIN SET RICH REP.	v u I

# RAW SEQUENCE LISTING

RAW SEQUENCE LISTING DATE: 02/13/2002 CLEURI ALPLICATION. US/10/048,046 DATE: 02/13/2002

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131 Gln Ser Met Asp Ala Arg Asn Lys Ile Thr Gln Asp Met Leu Gln Pro   132   380   380   388   389   389   381   380   381   380   381		C 2 2	agt	ato	a a t		ann	aat	222	ato		caa	a a c	ato	cta		CCC	1 266
132																		1200
134 aaa gtc agg egg tct ttt tct gat gaa gaa ggg agt tca gag gac ctg   1314     135 tys Val Arg Arg S		GIII	Ser	riec	•	Alu	nrg	กรแ	цуз		1111	OIII	ASP	1100		3111	110	
136		aaa	atc	agg		tct	ttt	tct	gat		gaa	aaa	agt	tca		gac	cta	1314
136			_						-	_	-		_			-	_	1311
138   ctg   gag   ctg   tea   gac   gtt   gac   agt   gag   tcc   tca   gac   att   agc   cag   cag		цуз	vul	_	1119	DOL	1 110	UCI	_	Olu	Olu	OI,	DCI		Olu	чэр	Deu	
139   Leu 61u   Leu 8   Ser   Asp   Val   Asp   Ser   61u   Ser   Ser   Asp   Tle   Ser   61n   Pro   140   140   140   1415   142   140   144   1425   140   140   140   140   140   144   1425   140   140   145   140   144   1425   140   145   140   145   140   145   140   145   140   146   140   145   140   145   140   145		cta	gag		tca	gac	att	gac		gag	tcc	tica	gac		age	cad	cca	1362
140		_		-		-	-	_	-						-	-		1302
1410   143   143   144   145		Dea						-		5.0	• • • • • • • • • • • • • • • • • • • •							
143         Tyr Val Val Val Cys         Arg Gln Cys         Pro Glu         Tyr Arg Arg Gln Ala Ala Gln Ala Gln Ala Ala Gln Ala Ala Gln Ala Ala Gln Ala Gln Ala Ala Gln Ala Gln Ala Ala Gln Ala Ala Gln Ala Gln Ala Gln Ala Gln Ala Ala Gln Ala Gln Ala Gln Ala Ala		tac		ata	tac	टवव	caq	tat	cct	gag	tac	aga	agg	caq	aca	чса	caq	1410
144         425         430         430         435         440         1458         440         1458         1458         626         gga					-		_	-				-		_		-	-	
146		_			- 1 -	5		1			- 1	-	. ,					
147         Pro         Pro         His         Cys         Pro         Ala         Pro         Glu         Glu         Glu         Pro         Glu         Ala         Pro         Glu         Glu         Ser         Glu         Glu         Bro         Goag         glu         Glu         Ala         Pro         Glu         Fro         Glu         Glu         Glu         Glu         Glu         Glu         Fro         Glu         Glu <td></td> <td></td> <td>ccc</td> <td>cac</td> <td>tac</td> <td>cca</td> <td>qca</td> <td>ccc</td> <td>qaq</td> <td>aac</td> <td>gag</td> <td>cca</td> <td>gga</td> <td>qcc</td> <td>сса</td> <td>caq</td> <td>qcc</td> <td>1458</td>			ccc	cac	tac	cca	qca	ccc	qaq	aac	gag	cca	gga	qcc	сса	caq	qcc	1458
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151   Leu Gly										-			•					
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155	152				460					465					470			
156   167   168   169   160	154	gat	tac	gtg	tgc	cct	ctg	caa	gga	agc	cac	gcc	ctg	tgc	acc	tgc	tgc	1554
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159   Phe   Gln   Pro   Met   Pro   Asp   Arg   Arg   Ala   Glu   Arg   Glu   Gln   Asp   Pro   Arg   Arg   Arg   Arg   Arg   Arg   Arg   Arg   Slo   Slo	156			475					480					485				
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179 Leu Thr Trp Lys Asn Met Leu Thr Glu Ser Leu Val Ala Leu Gln Arg 180 570 575 575 575 580 580  182 gga gtg ttt ctg ctg tct gat tac aga gtc acg gga gac acc gtt ctg 1890 183 Gly Val Phe Leu Leu Ser Asp Tyr Arg Val Thr Gly Asp Thr Val Leu 184 585 590 590 595 595 595 600  186 tqt tac tqc tqt qqc ctq cqc aqc ttc cqt qaq ctq acc tat cag tat 1438 187 Cys Tyr Cys Cys Gly Lou Arg Ser Phe Arq Clu Leu Thr Tyr Gln Tyr 188 500 500 500 500 500 500 500 500 500  190 cgg cag aac att cct gct tcc gag ttg cca gtg gcc gta aca tcc cgt 1986 191 Arg Gln Asn Ile Pro Ala Ser Glu Leu Pro Val Ala Val Thr Ser Arg		t.t.a	aca		dala	aac	aLu	t.La		dad	auc	ctc	utu		ctc	cad	caa	1842
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190 cgg cag aac att cet get tee gag ttg cea gtg gee gta aca tee cgt 1986 191 Arg Gln Asn lie Pro Ala Ser Glu Leu Pro Val Ala Val Thr Ser Arg	187	Cys	Tyr	Cys	Cys	Cly	Lou	Λrg	Ser	Pho	Arg	Glu	Leu	Thr	Tyr	Gln	Tyr	
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 RAW SEQUENCE LISTING
 DATE: 02/13/2002

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Input Set : A:\Wst97usl.app

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	Glu	His		Val	Ala	Tyr	Leu	Tyr	Glu	Ser	Leu	Ser		Lys	Gln	Gly	
251			115				_	120					125	,			
	Met		Gln	Glu	Ser	Phe		Ala	Asn	Lys	Glu		Val	Phe	His	Gly	
254	æ1	130		en l		<b>a</b> 1	135	a 1		21		140			Б		
		Lys	Asp	Thr	Ser		Ala	Gly	Ala	Gly		GLY	Ala	Asp	Pro		
257		Б	D	<b>a</b>	G	150	. 1 -	m l		37- 1	155	73 la -	<b>a</b> 1	a1	D	160	
	val	Рro	Рro	ser		РГО	ата	Thr	GIN	Val 170	Cys	ьиe	GIU	GLU		GIN	
260	Duo	170.00	The	Con	165	Con	Nan	Tou	Dho		The	۸۱۵	Cor	א ו ה	175	Con	
262	ruro	Бег	inr		T 13 4.	PH.	441	Len		FLO	1111	Ald	Ser		ser	261	
263 265	T). ~	(23.)	Dro	180	Dro	λΙэ	Cl++	λra	185	λκα	Sor	Sar	Sar	190	G1v	Sar	
266 266	LILL	'.s I U	195	Ser	FIO	Ald	өтү	Arg 200	ure	Arg	261.	961.	205	CYS	отА	261	
	$cn_{\sigma}$	(21.0)		C111	Tlo	Sor	Dro	Lys	Clv	Sor	Glu	Dro		Va 1	Δla	Ser	
269	олу	210	GIY	GTA	TIG	SCI	215	PAS	этү	261	GIY	220	26.1	v ci i	via	261	
± 0.2		± 1.0					213					∪نتىنت					

## RAW SEQUENCE LISTING

PATERI APELI TION: US/10/048,046 PAME: 02/13/200

DATE: 02/13/2002

Input Set : A:\Wst97usl.app

		Asp 225	Glu	Val	Ser	Ser	Phe 230	Ala	Ser	Ala	Leu	Pro 235	Asp	Arg	Lys	Thr	Ala 240
2			Phe	Ser	Ser	Leu 245		Pro	Gln	Asp	Gln 250		Asp	Leu	Glu	Pro 255	
		Lys	Lys	Lys	Met 260		Gly	Asp	Gly	Asp 265		Asp	Leu	Asn	Gly 270		Leu
_		Leu	Val	Ala 275		Pro	Arg	Arg	Asn 280		Gln	Thr	Val	His 285		Asp	Val
•.	83	Arg			Ala	Gly	Lys	Pro 295		Lys	Met	Glu	Glu 300		Leu	Thr	Cys
_			290 11e	Cys	Gln	Asp		Leu	His	Азр	Cys			Leu	Gln	Pro	
		305	шіс	Thr	Dho	Cve	310	Ala	Cue	Tur	Sor	315	Frn	Mot	alu.	Λησ	320
2	90					325				-	330	_	_			335	
2	93			_	340			Arg		345					350		
	95 96	His	Ile	Leu 355	Asn	Asn	Leu	Val	Glu 360	Ala	Tyr	Leu	Ile	Gln 365	His	Pro	Asp
	98	Lys	Ser 370	Arg	Ser	Glu	Glu	Asp 375	Val	Gln	Ser	Met	Asp 380	Ala	Arg	Asn	Lys
		Ile 385	Thr	Gln	Asp	Met	Leu 390	Gln	Pro	Lys	Val	Arg 395	Arg	Ser	Phe	Ser	Asp 400
			Glu	Gly	ser	Ser		Asp	Leu	Leu	Glu		Ser	Asp	Val	Asp	
	05					405					410					415	
	07 $08$	Glu	Ser	Ser	Asp 420	Ile	Ser	Gln	Pro	Tyr 425	Val	Val	Cys	Arg	Gln 430	Cys	Pro
	$\frac{10}{11}$	Glu	Tyr	Arg 435	Arg	Gln	Ala	Ala	Gln 440	Pro	Pro	His	Cys	Pro 445	Ala	Pro	Glu
	$\frac{13}{14}$	Gly	Glu 450	Pro	Gly	Ala	Pro	Gln 455	Ala	Leu	Gly	Asp	Ala 460	Pro	Ser	Thr	Ser
3	1.6	Val 465		Leu	Thr	Thr	Ala 470	Val	Gln	Asp	Tyr	Val 475	Cys	Pro	Leu	Gln	Gly 480
3			His	Ala	Leu	Cys 485		Cys	Cys	Phe	Gln 490	Pro	Met	Pro	Asp	Arg	Arg
3		Ala	Glu	Arg	Glu 500		Asp	Pro	Arg	Val 505		Pro	Gln	Gln	Cys 510		Val
	25 26	Cys	Leu	Gln 515	Pro	Phe	Cys	His	Leu 520		Trp	Gly	Cys	Thr 525	Arg	Thr	Gly
	28 29	Cys	Tyr 530	Gly	Cys	Leu	Ala	Pro 535		Cys	Glu	Leu	Asn 540	Leu	Gly	Asp	Lys
3	31	Cys 545		Asp	Gly	Val	Leu 550	Asn	Asn	Asn	Ser	Tyr 555		Ser	Asp	Ile	Leu 560
3			Asn	Tyr	Leu	Ala 565		Arg	Gly	Leu	Thr 570	Trp	Lys	Asn	Met	Leu 575	
3		Gtu	Ser	I.eu	√al 580		Leu	Gln	Ārg	Gly 585		Phe	Leu	Leu	Ser 590		Туr
		Arg	Val	Thr		Λsp	Thr	Val	Leu		Tyr	Cys	Cys	Gly		Arq	Ser
3	4.1			595	_				$\bar{6}00$					605			
3	43	Phe	Arg	Glu	Leu	Thr	Tyr	Gln	Tyr	Arg	Gln	Asn	Ile	Pro	Ala	Ser	Glu

## VERIFICATION SUMMARY

VERIFICATION SUMMARYDATE: 02/13/2002NIENT APPLIES FOR: US/10/048,046FIFE: 07-11:33

Input Set : A:\Wst97usl.app

Output Set: N:\CRF3\02132002\J048046.raw

L:12 M:270 C: Current Application Number differs, Replaced Application Number

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date